

## Message Text

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ORIGIN EPAE-00

INFO OCT-01 EA-12 ISO-00 AID-05 CEQ-01 CIAE-00 SOE-02  
COME-00 DODE-00 EB-08 INR-10 IO-14 L-03 NSF-02  
NSC-05 NSAE-00 PM-05 ICA-20 OES-07 SS-15 SP-02  
DOE-15 INT-05 ACDA-12 NRC-07 /151 R

DRAFTED BY EPA/A-106:KMACONAUGHEY:HDW  
APPROVED BY OES/ENP/EN:WLONG  
EPA/A-106:DTOAKLEY  
EA/J:CMCDONALD

-----076153 051515Z /64

P 051432Z JUN 78  
FM SECSTATE WASHDC  
TO AMEMBASSY TOKYO PRIORITY

UNCLAS STATE 141345

E.O. 11652: N/A

TAGS: SENV, JA

SUBJECT: INVITATION TO JAPAN ATOMIC ENERGY RESEARCH INSTI-  
TUTE TO PARTICIPATE IN LOW-LEVEL RADIOACTIVE WASTE DISPOSAL  
RESEARCH PROJECT.

1. WOULD APPRECIATE EMBASSY SENDING INVITATION TO  
MR. MITSUGU TSHIZUKA, DIRECTOR, RESEARCH AND INTERNATIONAL  
COOPERATION DIVISION, ATOMIC ENERGY BUREAU, STA WITH  
COPIES TO MR. MAKOTO TAKAHASHI, DEPUTY DIRECTOR, NUCLEAR  
SAFETY DIVISION, STA, AND DR. ARAKI OF JAERI REQUESTING  
DR. ITO'S PARTICIPATION IN RESEARCH PROJECT.  
2. DETAILS OF PROJECT AS FOLLOWS: THE US ENVIRONMENTAL  
PROTECTION AGENCY PLANS TO CONDUCT A SURVEY OF A DEEP OCEAN,  
3800 M, RADIOACTIVE WASTE DISPOSAL SITE DURING THE PERIOD  
JUNE 20-30, AND WOULD LIKE TO EXTEND AN INVITATION TO THE  
JAPANESE GOVERNMENT TO PARTICIPATE. THE SITE IS LOCATED  
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DUE EAST OF THE MARYLAND-DELAWARE COAST, AT COORDINATE

35 50 N BY 70 35 W. THE OBJECTIVES OF THE PROJECT ARE  
(A) TO LOCATE RADIOACTIVE WASTE CONTAINERS.  
(B) TO COLLECT PRECISELY - POSITIONED SEDIMENT SAMPLES  
AROUND BREACHED CONTAINERS IN ORDER TO STUDY THE EXTENT  
OF HORIZONTAL AND VERTICAL RELEASE AND MOVEMENT OF

RADIONUCLIDES.

(C) TO COLLECT BOX CORE SAMPLES FOR POST-OPERATIONS  
SEDIMENT ANALYSES.

(D) TO INVESTIGATE SEDIMENT RETENTION PROPERTIES (E.G.  
CATION EXCHANGE CAPACITY)

(E) TO CONDUCT BENTHIC TRAWLS TO INVESTIGATE BIOLOGICAL  
DIVERSITY OF THE DEEP OCEAN DISPOSAL SITE.

(F) TO POSSIBLY RECOVER A SLECTED RADIOACTIVE WASTE  
CONTAINER AND OBTAIN INFORMATION ON:

(1) THE MODES AND RATES OF METAL CORROSION

(2) THE EFFECTS OF METAL STRESS ON ACCELERATED LOCALIZED  
CORROSION

(3) THE ULTIMATE LIFE OF THE MILD STEEL CONTAINERS

(4) LEACH RATES AND CHEMICAL DEGRADATION PROCESSES OF THE  
CONCRETE MATRIX.

3. THE SERIES OF DIVES WILL BE MADE IN THE ALVIN, A MANNED  
DEEP WATER SUBMERSIBLE WITH A DEPTH CAPABILITY OF 4000  
METERS. THE SUBMERSIBLE WILL BE TRANSPORTED TO THE SITE  
BY THE MOTHER SHIP, THE RESEARCH VESSEL R/V LULU, DEPARTING  
FROM WOODS HOLE, MASSACHUSETTS. THE R/V ADVANCE I FROM  
CAPE FEAR TECHNICAL INSTITUTE, NORTH CAROLINA, WILL BE THE  
ESCORT SHIP. IT HAS THE WINCH CAPABILITY TO CORE AND  
TRAWL AT 3800 METERS DEPTH.

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4. EPA WOULD ENTERTAIN ANY RESEARCH SUGGESTIONS THE  
JAPANESE MIGHT MAKE, AND EXTEND AN INVITATION TO MAKE THOSE  
ANALYSES THEY CONSIDER IMPORTANT, ESPECIALLY IN THE AREA  
OF SEDIMENT CHEMICAL ANALYSES.

5. DUE TO TIME SCHEDULE, NEED RESPONSE COB JUNE 8. VANCE

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NNN

## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 jan 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** RESEARCH, RADIOACTIVE WASTES DISPOSAL  
**Control Number:** n/a  
**Copy:** SINGLE  
**Draft Date:** 05 jun 1978  
**Decaption Date:** 01 jan 1960  
**Decaption Note:**  
**Disposition Action:** n/a  
**Disposition Approved on Date:**  
**Disposition Case Number:** n/a  
**Disposition Comment:**  
**Disposition Date:** 01 jan 1960  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
**Disposition Remarks:**  
**Document Number:** 1978STATE141345  
**Document Source:** CORE  
**Document Unique ID:** 00  
**Drafter:** 106:KMACONAUAGHEY:HDW  
**Enclosure:** n/a  
**Executive Order:** N/A  
**Errors:** N/A  
**Expiration:**  
**Film Number:** D780234-0619  
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**Litigation History:**  
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**Message ID:** 3f7d3d92-c288-dd11-92da-001cc4696bcc  
**Office:** ORIGIN EPAE  
**Original Classification:** UNCLASSIFIED  
**Original Handling Restrictions:** n/a  
**Original Previous Classification:** n/a  
**Original Previous Handling Restrictions:** n/a  
**Page Count:** 2  
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**Previous Handling Restrictions:** n/a  
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**Retention:** 0  
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**Review Content Flags:**  
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**Review Event:**  
**Review Exemptions:** n/a  
**Review Media Identifier:**  
**Review Release Date:** N/A  
**Review Release Event:** n/a  
**Review Transfer Date:**  
**Review Withdrawn Fields:** n/a  
**SAS ID:** 2488092  
**Secure:** OPEN  
**Status:** NATIVE  
**Subject:** INVITATION TO JAPAN ATOMIC ENERGY RESEARCH INSTI- TUTE TO PARTICIPATE IN LOW-LEVEL RADIOACTIVE WASTE DISPOSAL RESEARCH PROJECT.  
**TAGS:** SENV, TECH, JA  
**To:** TOKYO  
**Type:** TE  
**vdkgvwkey:** odbc://SAS/SAS.dbo.SAS\_Docs/3f7d3d92-c288-dd11-92da-001cc4696bcc  
**Review Markings:**  
Sheryl P. Walter  
Declassified/Released  
US Department of State  
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20 Mar 2014  
**Markings:** Sheryl P. Walter Declassified/Released US Department of State EO Systematic Review 20 Mar 2014